

Claims

1.- A selectable rotary sprayer of the type comprising a shaft (1) provided with an axial port (11) and a radial outlet (13) in fluid communication with each other, a rotary body (2) provided with two radial outlets (22, 23), that can selectively opposed to the radial outlet (13) of the shaft (1) to provide different types of spray or be disposed angularly out of phase relative to the former, the sprayer then being in a closed position, and sealing means mounted between the shaft (1) and the rotary body (2); characterized in that it comprises:


- a shaft (1) having, in correspondence with the end having the radial outlet (13), a frustoconical portion (14) widening towards the free end of the shaft (1) and for being received in the central cavity (21) of the rotary body (2) and, at the opposite end, a threaded portion (12) for optional attachment thereof to the fluid dispensing machine either directly or through a non-drip valve (5) by which the liquid to be sprayed reaches the interior thereof;

- an annular seal (3) mounted around the frustoconical portion (14) of the shaft (1) and having: a frustoconical inner surface (31) that contacts in its totality with the frustoconical portion (14) of the shaft (1); two radial orifices (32, 33) facing the radial outlets (22, 23) of the rotary body (2); appendices (34) received in recesses (25) defined in the central cavity (21) of the rotary body (2) preventing rotation of the annular seal (3) inside said central cavity (21) and ensuring the facing position of the radial orifices (32, 33) of the annular seal (3) with the radial outlets (22, 23) of the rotary body,

- a lock nut (4) mounted on the rotary body (2) and which, together with the annular seal (3), forms the sealing and retaining means of the shaft (1) relative to the rotary body (2).

2.- The sprayer according to claim 1, characterized in that the central cavity (21) of the rotary body (2) has a threaded inner portion (24) for the assembly of the lock nut (4) of the annular seal (3) and, at the lower end thereof, two diametrically opposed recesses (25) for receiving the appendices (34) of the annular seal.

3.- The sprayer according to claim 1, characterized in that the non-drip valve (5) comprises a main body provided with an inlet port (51), an outlet port (52) and two radially arranged concentric tubular appendices (53, 54), connected together at one of the ends thereof and communicating at the opposite ends with the inlet port (51) and the outlet port (52) respectively; said valve (5) further comprising: - a moveable body (55) mounted in the interior of the outer tubular appendix (53) and having at the center thereof a seal (56) opposite the end of the inner tubular appendix (54), - a closing cap (58) threadedly



mounted on the end of the outer tubular appendix (54) and, - a spring (57) bearing with the opposite ends thereof against the inner surface of the closing cap (58) and against the rear surface of the moveable body (55), urging the seal (56) against the inner tubular appendix (54) of the non-drip valve.